



DANUBE NEUROLOGY NEWSLETTER

Newsletter No. 19. July, 2010

INTERNATIONAL DANUBE NEUROLOGY ASSOCIATION OF CENTRAL AND EAST EUROPE

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1. New Associate Member: Professor David Russell



Professor David Russell, MD, PhD,
FRCPE. d.o.b. 31 January 1948

Present position	Professor of Neurology Oslo University Hospital Rikshospitalet University of Oslo 0027 Oslo, Norway Tel: (47) 23 073552 Fax: (47) 23 070833
Degrees & Experience	1972 Bachelor of Medicine, Queens University Belfast, Northern Ireland 1981 Specialist in Neurology, University of Oslo 1983 Senior Lecturer in Neurology, University of Oslo 1985 Doctor of philosophy, University of Oslo 1989 Professor of Neurology, University of Oslo 2001 Guest Professor, University of Applied Sciences, Ulm, Germany 2008 Guest Professor, University of Debrecen, Hungary 2009 Guest Professor, University of Belgrade
Medical prizes & awards	1981 Professor Haakon Saethres Memorial Award 1983 The International Enrico Greppi Award 1993 Ragnhild and August Gillums Award

Member of Medical Boards, Societies and Committees

Founding President of the European Society of Neurosonology and Cerebral Hemodynamics
Chair European Stroke Organisation`s Council of Fellows
Past president of The Nordic Stroke Society
Chairman of the Norwegian Stroke Association
Founding Member of the European Stroke Council
Fellow of The Royal College of Physicians
Fellow of the Royal Academy of Medicine in Ireland
Founding Member of the International Society of Behavioural and Cognitive Vascular Disorders
Honorary Member of The Hungarian Stroke Society
Founding Member of the International Intracranial Hemodynamics Society
Representative of The Nordic Stroke Society on the European Stroke Council
Founding Chairman of the Norwegian Society of Neurosonology
Member of the Neurosonology Research Group of the World Federation of Neurology
Member of the World Federation of Neurology`s Research Group on Cerebrovascular Diseases
Founding Associate Editor of Cephalalgia, The official Journal of the International Headache Society
Member of The Norwegian Neurological Association
Member of The American Heart Association
Member of The British Neurological Association
Member of the International Society for Cerebral Blood Flow and Metabolism

Editorial, Advisory Board and referee appointments

Editorial Board Member, International Journal of Stroke
Editorial Board Member, Journal of Clinical Ultrasound
Editorial Board Member, Stroke 1996-2006
Editorial Board Member, Stroke Research and Treatment
Editorial Board Member, Cerebrovascular Diseases 1995-2006
Editorial Board Member, European Journal of Neurology 1995-2005
Editorial Board Member, Acta Neurologica Scandinavia
Editorial Board Member, European Neurology
Editorial Board Member, Clinical Neurology and Neurosurgery
Editorial Board Member, Restorative Neurology and Neuroscience
Editorial Board Member, Journal of Clinical Ultrasound
Editorial Board Member, The Italian Stroke Journal
Editorial Board Member, The Bulgarian Stroke Journal
Editorial Board Member, The Japanese Journal of Neurosonology
Editorial Board Member, Journal of Pediatric Neurology

Publications

Over 300 scientific publications concerning cerebrovascular disease, cerebrovascular ultrasound and cerebral hemodynamics.

2. Useful websites for neurologists (by Dr. László Sztriha, President of the EAYNT)

Textbook

Goetz: Textbook of Clinical Neurology on MD Consult www.mdconsult.com

Journals

New England Journal of Medicine www.nejm.org
The Lancet http://www.elsevier.com/wps/product/cws_home/31066
The Lancet Neurology www.elsevier.com/wps/product/cws_home/622235
European Journal of Neurology <http://www3.interscience.wiley.com/journal/117979667/home>
Journal of the Neurological Sciences www.elsevier.com/wps/product/cws_home/506078
Neurology www.neurology.org
Current Opinion in Neurology www.co-neurology.com
Archives of Neurology <http://archneur.ama-assn.org/>
Brain <http://brain.oxfordjournals.org/>
Annals of Neurology <http://www3.interscience.wiley.com/cgi-bin/jhome/76507645>
Journal of Neurology, Neurosurgery, and Psychiatry <http://jnnp.bmj.com/>
Practical Neurology <http://pn.bmj.com/current.dtl>
Stroke www.strokeaha.org
Movement Disorders <http://www3.interscience.wiley.com/cgi-bin/jhome/76507419>

Muscle and Nerve <http://www3.interscience.wiley.com/cgi-bin/jhome/32891>

Epilepsia <http://www3.interscience.wiley.com/journal/117957420/home>

Seizure http://www.elsevier.com/wps/product/cws_home/623071

Cephalalgia <http://www3.interscience.wiley.com/journal/117998533/home>

Pain http://www.elsevier.com/wps/product/cws_home/506083

Guidelines, recommendations, clinical evidence

American Academy of Neurology <http://www.aan.com/go/practice/guidelines>

American Heart Association stroke guidelines <http://www.americanheart.org/presenter.jhtml?identifier=3004586>

European Stroke Organisation <http://www.eusi-stroke.com>

International Headache Society <http://www.i-h-s.org/>

Cochrane Library http://www.mrw.interscience.wiley.com/cochrane/cochrane_clsystrev_crglist_fs.html

National Institute for Health and Clinical Excellence <http://guidance.nice.org.uk/>

Clinical Evidence <http://www.clinicalevidence.com/ceweb/index.jsp>

Educational materials

World Federation of Neurology Seminars in Clinical Neurology

<http://www.wfneurology.org/seminarsClinicalNeurology.php>

Medscape Neurology and Neurosurgery <http://www.medscape.com/neurology>

Emedicine www.emedicine.com

Internet Handbook of Neurology <http://www.neuropat.dote.hu/>

Internet Stroke Center <http://www.strokecenter.org/>

Neuromuscular Home Page <http://neuromuscular.wustl.edu/>

Societies, organizations

American Academy of Neurology www.aan.com

American Neurological Association www.aneuroa.org

Cochrane Neurological Network <http://neuronet.cochrane.org>

European Association of Young Neurologists and Trainees (EAYNT) www.eaynt.org

EBC - European Brain Council www.europeanbraincouncil.org

EFNS - European Federation of Neurological Societies www.efns.org

ENS - European Neurological Society www.ensinfo.org

European Board of Neurology www.uems-neuroboard.org

The Movement Disorder Society www.movementdisorders.org

NINDS - National Institute of Neurological Disorders and Stroke www.ninds.nih.gov

3. Evidence based medicine (by Professor Amos Korczyn)

Evidence based medicine (EBM) is considered today as one of the fundamentals of modern medical practice. In its basis, it is supposed to be an objective accumulation of data regarding a therapy. In a Danube Lecture delivered in a recent Danube Training Course in Neurology, Prof. Amos Korczyn from Tel Aviv University stressed that this method has significant limitations and should not be accepted without reservations.

The most important data on which EBM recommendations are based are on large, randomized controlled trials (RCTs). These trials are usually supported by an interested party, mostly the industry. They design a study which should answer a specific question. The formulation of the question, the choice of the investigators and the decision concerning the publication of the results, depend almost exclusively on the sponsor. Positive results are much more likely to be published and this publication bias as an important limitation of the EBM method.

The clinically important question relates not to a hypothetical case but to an actual patient. The clinician has to decide whether the published results apply to this individual patient. The studies always have significant exclusion criteria, such as age and comorbidities. If a patient would have been excluded from a study because of such factors, it means that their results do not apply to him.

By nature, the studies are of limited duration. Use of the drug beyond these time limits is not supported by EBM data, but this is not usually acknowledged.

Lastly, Prof. Korczyn emphasized that the real relevant question is not whether a drug is better than a placebo, but whether it should replace the best drug which has previously been available. This question can only be answered by a study in which the new drug in question is compared, in a properly planned RCT, to a standard medication. Unfortunately such studies are performed rarely.

Therefore we do not know whether duloxetine is superior to fluoxetine (or amitriptyline!), whether rasagiline is superior to selegiline, or what if any is the difference between memantine and amantadine.

4. Controversies in Neurology (CONy) (by Professor Amos Korczyn)

We are quite used to attend learned lectures on any topic on neurology. The speaker is usually very knowledgeable in his field and gives his opinion, which can be challenged by the listeners only briefly during a short Q&A session. A much more informative way to learn about a topic is to attend a debate, in which two speakers present their opposite views. This approach is taken during CONy, a congress devoted to discussing controversial issues. The meeting is held annually, and the 4th Congress will take place in the beautiful city of Barcelona, Spain, October 28-31, 2010.

The debates will include most aspects of neurological practice and the speakers are always eminent figures in the field. Sufficient time is allowed for questions from the audience.

Free presentations are encouraged, most of which will be displayed as posters. A conducted poster tour, led by two faculty members will allow presenters to get feedback.

Special grants are available and Danube group members are entitled to a special rate in the registration fees.

Some of the debates which are scheduled in the CONy Barcelona program are the following:

Does use of generic medications pose risk with regard to seizure control?

Should treatment of acute stroke be the same for anterior and posterior strokes?

Is physical therapy beneficial in Parkinson's disease?

Are placebo-controlled clinical trials still ethical and necessary in Multiple Sclerosis?

Is tension-type headache a real entity separate from migraine?

Should combination treatment with ChE-I and memantine be started as early as possible in Alzheimer's patients?

A detailed program is available on the official congress website at: www.comtecmed.com/cony

5. European Association of Young Neurologists and Trainees (EAYNT) (by Dr. László Sztriha, President of the EAYNT)

The European Association of Young Neurologists and Trainees (EAYNT) is an independent non-profit organization with the main purpose of representing the interests of junior neurologists at the European level. Major activities include the exchange of information on educational and research opportunities in Europe, and the interconnection of junior colleagues. Regular updates on our activities can be found on our webpage at www.eaynt.org. If you are interested in our activities, you can join us by simply filling in a membership application form on our webpage. Membership is completely free. We would also like to request all supervisors and mentors to tell their trainees about the EAYNT, and encourage them to join this group.

5.1. Cochrane-EAYNT One-day Workshops in Evidence-Based Neurology

Amongst the several recent developments in clinical medicine, an evidence-based approach, largely developed by partners of the Cochrane Collaboration, has in particular gained increasing acknowledgement. The ability to critically appraise studies and to utilize evidence-based knowledge when making diagnostic and therapeutic decisions is a key feature of the 21st century neurologist. However, young neurologists may not always have had the opportunity to learn from the most authentic group of experts. Therefore the EAYNT has taken the opportunity to establish collaboration with the Perugia-based Cochrane Neurological Network (CNN). During 2005–2006, the CNN organized a series of training workshops for young neurologists in evidence-based neurology, enjoying sponsorship from the European Union Marie Curie Conferences and Training Courses. Seeing the success of these series, the EAYNT and the CNN have started a new project of organizing one-day workshops at the annual meetings of the International Danube Symposium. The first of these took place on 14 October 2009 in Linz, Austria. Experts from the CNN included Maria Grazia Bassi, Daniel Bereczki, Teresa Cantisani, Maria Grazia Celani, Alfonso Ciccone, Sara Maccone, Kathy Mahan, Enrico Righetti, and Rudolf Schoenhuber. Attendees were colleagues from nine countries. The workshop focused on various areas such as finding the best scientific evidence in bibliographic databases, the critical appraisal of scientific studies with a particular focus on randomized trials, answering clinical questions based on the available evidence, understanding the principal measurements of statistical associations used in neurology, and interpreting study results using systematic reviews and meta-analysis. Thankfully to the sponsorship provided by the CNN and the EAYNT, participation was free of charge to all participants. Based on a positive feedback from both attendees and speakers, it has been decided to continue with this project and arrange a next workshop at the 42th Danube Symposium in Zagreb, Croatia, 22 October 2010. Further details will be posted on our homepage.

5.2. EFNS-EAYNT Travel Grant Call

The EAYNT invites their members to apply for travel grants to support their attendance at congresses in 2010. Fifteen travel grants, 175 Euro each, will be awarded to EAYNT members under the age of 35 who attend a neurology congress or summer/winter schools where they present their original work. Application forms can be found on our homepage, the deadline is 31 May 2010.

6. Summary of the 41st International Danube Neurology Symposium (by Professor Gerhard Ransmayr)

From October 14-17, 2009, the 41st Danube Symposium for Neurological Sciences and Continuing Education was held in Linz, Austria. One day before the onset of the congress a Cochrane Neurological Network seminar on evidence-based neurology and a session of the European Association of Young Neurologists and Trainees took place. The main topics of the 41st Danube Symposium were Multiple Sclerosis, Aging in Neurological Diseases (Parkinson, Epilepsy, Dementias), and Neurorehabilitation. The program was planned by the convenors Thomas Berger, Werner Poewe, Christoph Baumgartner, Reinhold Schmidt, and Heinrich Binder in cooperation with the Upper Austrian Association for Medical Research, the Society for the Study of Neuroprotection and Neuroplasticity, and the European Association of Young Neurologists and Trainees. Outstanding specialists from the Danube Group countries and Great Britain, Israel, and Spain contributed to the program which was generally estimated and regarded as profound, informative and stimulating. Oral lectures covered the sub-topics biological markers in MS and their relevance for treatment responses, emerging MS treatments, natural history of Parkinson's disease including dementia, gait impairment and falls, Parkinson therapy, etiology, semiology and psychiatric comorbidities of epilepsy in the elderly and status epilepticus, biochemistry, vascular factors, prevention and pharmacological and non-pharmacological therapies in dementias, and the spectrum of neurorehabilitation. Satellite symposia sponsored by pharmaceutical companies and the Society for the Study of Neuroprotection and Neuroplasticity on treatment adherence, therapy related regeneration and clinical improvement in MS, neurogenic bladder dysfunction in MS, symptom control and disease modification in Parkinson's disease, new therapies in epilepsy, and a poster session on free topics completed the program. In a Basal Ganglia Club, interesting and stimulating video clips of patients with unusual movement disorders were presented and discussed. The social program included a speakers dinner and the celebration of the 85th anniversary of the Honorary President of the Danube Group Franz Gerstenbrand.

The 41st Danube Symposium presented evidence of the high standard of neurological science and clinical neurology in the Danube Group countries, the traditional mutual understanding and sympathy of the members of the Danube Group, and the ongoing success of the managing board's manifold activities in the European neurological scenery.

7. Summary of the 6th Congress of the World Federation for Neurorehabilitation (by Professor Franz Gerstenbrand)

The 6th Congress of the World Federation for Neurorehabilitation was organized in Vienna, March 21st to 25th, 2010. Congress President was Prof. Dr. Heinrich Binder, President of the Austrian Society for Neurorehabilitation. The responsibility for the programme had Prof. Dr. M. Selzer, USA president of the WFNR, together with the Secretary General of the WFNR Prof. Dr. Volker Hömberg, Germany, supported by Prof. Dr. K. von Wild, Germany.

The main intention of the congress was to point out the importance of neurorehabilitation as a medical discipline dealing with the restoration of nervous functions with the improvement of the chances for neurological patients to participate in a normal life to increase the social competence of handicapped patients. Neurorehabilitation is combining clinical neuroscience with the methods of rehabilitative medicine. The strategy of the WCNR-programme was to introduce new methods derived from studies in clinical neuroscience and to complete general accepted rehabilitation systems by new knowledge and new experience.

The congress programme showed a variety of treatment techniques, such as pharmacological based methods, new training techniques (physiotherapy, occupational therapy, cognitive training etc.) and the use of special devices to compensate loosed nervous functions (assistant motion devices, specialised wheel chairs etc.) A special chapter dealing with the use of memory supporting systems.

Neurorehabilitation as a multiple professional field needs a well trained team with excellent neurological knowledge, well prepared nurses and neurological educated physiotherapists and occupational therapists. Neuropsychologists, speech therapists, social workers have to be included as well as experts for professional retraining.

In the programme of the Vienna congress various specialized training courses were offered. Workshops for neurorehabilitation after stroke, traumatic brain injury, spinal cord lesions were organized. A special topic was destined to coma states, apallic syndrome/vegetative state and the locked in syndrome and the so called minimal conscious state.

The use of modern techniques in the treatment of spasticity and extra pyramidal diseases with modern robotics and the devices developed in the weightlessness and the results of space neurology were introduced.

Strictly it was pointed out that neurorehabilitation is beside acute neurology the undisputable second leg in neurology. Every patient with an acute neurological deficit needs after his the care of his acute problems a neurorehabilitation

programme. This demand of a modern neurological management is the way to avoid secondary and tertiary sequences as well as to prevent chronic defect states.

The background of the Imperial Hofburg in Vienna was an impressive location for the congress venue. The number of participants was more than 1700 coming from 71 countries.

Prof. Binder, the chairman of the branch for neurorehabilitation in the Danube Neurology was following a special care for the participants of the Danube Countries.

The Vienna Congress was a great success for world neurorehabilitation. It was possible to show the development of this important part of neuroscience and to introduce this speciality to the interest of the public health. In a press interview a great media interest could be produced.

It is to thank Prof. Binder, for the organization of a social programme in which he was acting as a artist presenting as a tenor 3 famous opera arias accompanied by an Moravian orchestra, directed by an Austrian neurologist.

The next congress of the World Federation will be far away in Australia, it is to hope that the special Viennese flair could be exported.

8. "6th Danube Teaching Course" Multiple Sclerosis – Epilepsy - Headache and Vertigo - Neurorehabilitation (Kazimierz Dolny, Poland, 10-11 June, 2010) (by Professor Zbigniew Stelmasiak)

SCIENTIFIC PROGRAMME

June 10, 2010 (Thursday)

9.00-9.30 OPENING CEREMONY

Z. Stelmasiak, F. Gerstenbrand, L. Vécsei

9.30 – 11.00 Danube Lectures:

Chairpersons: F. Gerstenbrand, L. Vécsei, K. Rejdak

- 9.30 – 10.00 A. Korczyn – Evidence based/biased medicine
- 10.00 – 10.30 L. Vécsei – Migraine is a neuronal disorder: therapeutic considerations
- 10.30 – 11.00 D. Russell – The treatment of acute ischemic stroke – now and the future
- 11.00 – 11.30 Coffee-break

11.30 – 13.00 Neurorehabilitation

Chairpersons: F. Gerstenbrand, J. Opara

- 11.30 – 12.00 F. Gerstenbrand – The vertebral spine neurological disturbance (Danube Lecture)
- 12.00 – 12.30 E. M. Hagen – Clinical outcomes after spinal cord injuries
- 12.30 – 13.00 K. Domańska-Janik – Fate instability of stem cells – therapeutic implication in neurology
- 13.00 – 14.00 Lunch-break

14.00 – 15.15 MS diagnostic and new trends in therapy

Chairpersons: K. Selmaj, J. Kotowicz

- 14.00 – 14.25 K. Selmaj – Perspective of MS therapy
- 14.25 – 14.50 J. Losy – The role of CSF examination in the diagnostic of MS
- 14.50 – 15.15 J. Kotowicz – Electrodiagnostics in MS
- 15.15 – 15.35 Coffee-break

15.35 – 16.50 MS therapy

Chairpersons: J. Losy, H. Bartosik-Psujek

- 15.35 – 16.00 Z. Stelmasiak – Oral therapies in multiple sclerosis
- 16.00 – 16.25 H. Bartosik-Psujek – Immunomodulatory therapy of MS – current standards
- 16.25 – 16.50 K. Mitosek – Szewczyk – Treatment of aggressive MS forms
- 16.50 – 17.10 Coffee-break

17.10 – 18.50 Headache and vertigo

Chairpersons: T. M. Domżał, A. Stępień, K. Mitosek-Szewczyk

- 17.10 – 17.35 A. Stępień – Migraine as a risk factor of cardiovascular diseases
 17.35 – 18.00 T.M. Domżał – Cervical vertigo – does it really exist?
 18.00 – 18.25 A. Szczepańska-Szerej – The issues of vertigo diagnostic
 18.25 – 18.50 J. Wojczal – Ultrasound in vertigo

June 11, 2010 (Friday)

09.30 – 10.50 Epilepsy surgery

Chairpersons: T.Trojanowski, D. Ryglewicz, K. Rejdak

- 09.30 – 10.00 G. Bauer – How to establish the epilepsy surgery unit (Danube Lecture)
 10.00 – 10.25 P. Kunert – Surgical options for intractable epilepsy
 10.25 – 10.50 A. Rysz – Clinical outcomes after epilepsy surgery
 10.50 – 11.10 Coffee-break

11.10 – 12.50 Epilepsy therapy

Chairpersons: J.Jędrzejczak, B. Chmielewska

- 11.10 – 11.35 B. Chmielewska – How to select the first drug in epilepsy therapy
 11.35 – 12.00 S. Czuczwar – Antiepileptic drug monitoring – is it always necessary?
 12.00 – 12.25 J. Jędrzejczak – New look at definition of drug resistant epilepsy
 12.25 – 12.50 K. Rejdak – New trends in epilepsy treatment
 12.50 – 13.50 Lunch-break

13.50 – 15.30 Epilepsy Syndromes – diagnostic and therapy

Chairpersons: J.Majkowski, Z.Stelmasiak, K. Rejdak

- 13.50 – 14.15 I. Halczuk – Epilepsy in menopause
 14.15 – 14.40 K. Niedzielska – Partial seizures – proper diagnosis and treatment. Patent with Juvenile myoclonic epilepsy
 14.40 – 15.05 M. Mazurkiewicz-Bęldzińska – Big child?
 15.05 – 15.30 B. Steinborn – Mały dorosły? Small adult?
 15.30 – 15.50 Coffee-break

15.50 – 17.30 Epilepsy and coexisting disorders

Chairpersons: D. Ryglewicz, M.Mazurkiewicz-Bęldzińska, I. Halczuk

- 15.50 – 16.15 D. Ryglewicz – Epilepsy and somatic diseases in adult population
 16.15 – 16.40 B. Błaszczuk – Epilepsy and cognitive impairment
 16.40 – 17.05 P. Dropko – Periodic pattern recorded in EEG examination in patients hospitalized in the neurological intensive care unit
 17.05 – 17.30 B. Kaczyńska – Haładyj – Psychiatric disorders in children and adolescents with epilepsy

Summary of the “6th Danube Teaching Course” (by Dr. Konrad Rejdak, MD, PhD)

International Teaching Course on Multiple Sclerosis, Epilepsy and Headache took place again on 10-11 June 2010 in Kazimierz and was organised under the auspices of the International Danube Symposium for Continuing Education in Neurological Sciences. The Chair of the Organizing Committee was Professor Zbigniew Stelmasiak and supported by the local organizing committee. The scientific programme focused on the newest aspects of multiple sclerosis, epilepsy and headache but also included the special session on Neurorehabilitation.

The highest educative and scientific level of this conference was guaranteed by the attendance of many internationally recognised experts and scientists from the country and abroad including prof F. Gerstenbrand, prof. L. Vecsei, prof. A. Korczyn, prof. D. Russell, prof. G. Bauer, and others.

The meeting was very successful with around 450 participants including students and residents who were given a free admission to the scientific part of the meeting. The detailed programme and the summary of the presentations were published in a bilingual (Polish-English) Abstract Book- Neurologica Journal.

9. EAYNT Special Session at the 14th Congress of the EFNS in Geneva (by Dr. László Sztriha)

Date: 26 September, 2010

Place: EFNS Congress in Geneva

17:30-18:40 Chairs: László Sztriha (London, UK) and Johann Sellner (Munich, Germany)

László Sztriha (President, EAYNT) and Martin Rakusa (President-elect, EAYNT): EAYNT present and future

Jacques De Reuck (Ghent, Belgium): A key to scientific literature - what he said and what he means

Marianne de Visser (Amsterdam, The Netherlands): Visions for pan-European subspecialty education

Peter Schellinger (Erlangen, Germany): What I would do if I were you - key issues for a career in clinical neurology

10. The 42nd International Danube Neurology Symposium (by Professor Vida Demarin)

Date: 21-23 October, 2010

Place: The Regent Esplanade Hotel, Zagreb, Croatia

Wednesday, October 20, 2010

19:00 Opening Ceremony and welcome reception

Thursday, October 21, 2010

Main Theme: Stroke

(Convenors: Vida Demarin, Zagreb, Ana Czlonkowska, Warszawa)

09:00 - 09:30	Ana Czlonkowska:	TIA as an Emergency
09:30 - 10:00	Natan Bomstein:	Management of Hypertension and Hyperglycemia in Acute Ischemic Stroke
10:00 - 10:30	Nadežda Šternić:	Diabetes and Stroke
10:30 - 11:00	Break	
11:00 - 11:30	Kurt Niederkorn:	Neurosonology in Acute Stroke
11:30 - 12:00	Vida Demarin:	Recent Concept of Stroke Prevention
12:30 - 13:00	Dafin Muresanu:	The Impact of Co-morbidities and Neuroprotective Treatments in Stroke Recovery

13:00 Lunch symposium: Approach to aging brain
(Convenors: Danilo Hodoba, Zagreb, Zvezdan Pirtošek, Ljubljana)

15:00 - 17:00 Workshop: Diagnosis of Brain Death

15:00 - 17:00 Teaching course: Fabry Disease and Enzyme Replacement Therapy in Neurology
(Convenors: Vida Demarin, Zagreb, Vanja Bašić Kes, Zagreb)

15:00 - 17:00 Society for the Study of Neuroprotection and Neuroplasticity (SSIMIM) Panel
(Convenor: Dafin Muresanu, Cluj)

17:00 - 18:00 Franz Gerstenbrand: Modern neurology and the Hypoccratic principles
17:00 - 19:00 Posters

Friday, October 22, 2010

Main Theme: Movement Disorders - Non-Motor Symptoms in Parkinson's Disease
(Convenors: Maja Relja, Zagreb, Zvezdan Pirtošek, Ljubljana)

09:00 - 09:30	Werner Poewe:	Continuous dopaminergic stimulation in Parkinson's disease
09:30 - 10:00	Maja Relja:	Non-motor symptoms in Parkinson's disease
10:00 - 10:30	Vladimir Kostić:	Depression in Parkinson's disease
10:30 - 11:00	Break	
11:00 - 11:30	Zvezdan Pirtošek:	Cognition in Parkinson's disease
11:30 - 12:00	David Vodušek:	Urogenital symptoms in differential diagnosis of Parkinsonism

Joint Meeting of Danube Society for Neurological Sciences and Continuing Education with Central and Eastern European Stroke Society (CEESS) and Croatian Stroke Society: Stroke Management

09:00 - 09:30	Ana Czlonkowska:	Thrombolysis in the Region
09:30 - 10:00	Ljiljana Bumbaširević:	Stroke Unit - Secondary Prevention Center
10:00 - 10:30	Vida Demarin:	Carotid Disease
10:30 - 11:00	Bojana Žvan:	Management of subarachnoidal hemorrhage

11:00 - 11:30 Osman Sinanović: Post-stroke aphasia

09:00 - 17:00 Cochrane European Association Young Neurologists and Trainees (EAYNT) Workshop

15:00 - 17:00 Experimental Pain and Therapy
(Convenors: Claudia Sommer, Wuerzburg, Zdravko Lacković, Zagreb)

Claudia Sommer: Therapy of neuropathic pain
Lidia Bach-Rojecky: Experimental model of pain
Zdravko Lacković: Central effects of botulinum toxin-type A
Alfredo Berardelli: The impact of botulinum toxin treatment on cortical excitability
Maja Relja: Botulinum toxin in migraine treatment

17:00 - 19:00 Teaching Course: Dystonia: Diagnosis and Treatment

17:00 - 18:00 Franz Gerstenbrand: Space Neurology and the use of astronaut/cosmonauts equipments in neurorehabilitation

17:00 - 19:00 Posters

Saturday, October 23, 2010

Main Theme: Headache and Pain
(Convenors: Laszlo Vecsei, Szeged, Zdravko Lacković, Zagreb)

09:00 - 09:30 Laszlo Vecsei: The Role of Kynurenate Derivate in Nociception
09:30 - 10:00 Zdravko Lacković: Experimental Model of Migraine
10:30 - 11:00 Vanja Bašić Kes: Migraine and Stroke Connection
11:00 - 11:30 Ivo Lušić: Central Post-stroke Pain
12:00 Closing ceremony

All participants are most welcome to participate in all social and scientific activities

Deadline for abstract submission: June 1, 2010.

Congress venue: REGENT ESPLANADE HOTEL

Mihanovićeveva 1

10000 Zagreb, Croatia

www.regenthotels.com

CONGRESS OFFICIAL TOURIST AGENCY AND TECHNICAL ORGANIZATION

TOP TOURS D.O.O

MESNIČKA 3, 10 000 ZAGREB, Email: top-tours@zg.t-com.hr

11. Future Conferences, Meetings, Courses and Symposia of the International Danube Neurology Association

11.1. The 43rd International Danube Neurology Symposium

Time: 6th-8th October, 2011 **Organized by:** Professor Heinz Reichmann (Dresden, Germany) **E-mail:** Heinz-Reichmann@mailbox.tu-dresden.de

11.2. The 44th International Danube Neurology Symposium

Time: 2012 **Organized by:** Professor László Vecsei (Szeged, Hungary) **E-mail:** vecsei@nepsy.szote.u-szeged.hu

11.3. The 45th International Danube Neurology Symposium

Time: 2013 **Organized by:** Professor Evzen Ruzicka (Praha, Czech Republic) **E-mail:** eruzi@lf1.cuni.cz

11.4. The 46th International Danube Neurology Symposium

Time: 2014 **Organized by:** Professor V. Kostic (Belgrade, Serbia) **E-mail:** vkostic@mail.neurologija.bg.ac.yu or vkostic@sbb.co.yu

11.5. The 47th International Danube Neurology Symposium

Time: 2015 **Organized by:** Professor H.-P. Hartung (Düsseldorf, Germany) **E-mail:** hans-peter.hartung@uni-duesseldorf.de

For the Organization of the 48th International Danube Neurology Symposium (2016) applicants are welcome.

12. Future Congresses, Meetings, Symposia

The 15th Congress of the European Federation of Neurological Societies (Budapest, Hungary, September 10-13, 2011)



By kind permission of the EFNS.

Chairman Local Arrangements Committee: L. Vécsei
Local Arrangements Committee: D. Bereczki, L. Csiba, S. Komoly, Z. Nagy, I. Szirmai, J. Tajti
Congress dates: September 10-13, 2011 **Venue:** Budapest, Hungary
Information: EFNS Head Office; Tel: +43 1 889 05 03; Fax: +43 1 889 05 03 13;
Website: www.efns.org; e-mail: headoffice@efns.org

13. Present and Future Activities of the International Danube Neurology Association

- The **Danube Neurology Association** fosters and coordinates fellowship programs for young neurologists from Danube Countries
- Coordination of future **Danube Neurology Symposia**
- The **Danube Neurology Newsletter** is available free of charge (also downloadable) on Internet in electronic version
- Information about future events (**Calendar of events**)
- We also consider as our task to help with the activity of the **EFNS** in the Danube-countries.

14. Finances of the International Danube Neurology Association

According to previous decision of the Danube Neurology Curatorium Meeting, the financial sources of the International Danube Neurology Association from all kinds of symposia, conferences, meetings, teaching/training or other kinds of courses under the roof and auspices of our organization, are as follows:

According to a final report of the meetings, symposia, etc. to be handed in electronically to the Head Office in Szeged, Hungary, the financial surplus of all meetings should be divided 70:30 between the Local Organizers and the permanent International Danube Neurology Symposium Head Office in Szeged, Hungary. Or the amount of min. EUR 2,500 is to be transferred – together with the financial report – to the Head Office according to our invoice.

15. Web-site of the International Danube Neurology Association

The home-page of the **International Danube Neurology Association** consists of:

- the contents of all Newsletter (Nr.1-18)
- Managing and Executive Board Members of Danube Neurology Association
- Past and future Symposia, Conferences, Meetings
- Other further important information.